Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/23/2020 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125181	0	3.92	125401	3.82
Blue	F	SSC	125000	124380	-1	2.39	125251	2.36
Blue	E	FITC	15892	15538	-3	2.98	338	21.53
Blue	D	PE	29999	29391	-3	2.17	640	15.93
Blue	B	PerCP-Cy5-5	43732	43588	-1	3.97	1174	21.46
Blue	A	PE-Cy7	30845	31081	0	6.53	584	44.55
Red	C	APC	46112	44977	-3	2.50	1591	12.26
Red	A	APC-Cy7	30458	29591	-3	2.49	784	12.23
Violet	B	V450	7918	7505	-6	4.04	424	13.51
Violet	A	V500	32171	30571	-5	3.77	715	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17074	19.71	656	35	N/A	N/A	Pass
Blue	F	SSC	56922	1.76	586	27	N/A	N/A	Pass
Blue	E	FITC	63	65.89	555	12	0.0169	118	Pass
Blue	D	PE	133	53.06	561	13	0.1324	245	Pass
Blue	B	PerCP-Cy5-5	215	52.33	670	14	0.0081	47	Pass
Blue	A	PE-Cy7	108	111.68	716	18	0.0093	19	Pass
Red	C	APC	380	25.17	588	4	0.0235	109	Pass
Red	A	APC-Cy7	171	29.45	560	4	0.0053	947	Pass
Violet	B	V450	64	61.58	462	4	0.0452	1898	Pass
Violet	A	V500	107	32.95	478	4	0.0218	566	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.59	-32.59	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.20	13.60 - 20.40	N/A	N/A	29.31	30.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9816

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments